



05-25-05

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PTO/SB/21 (03-03)

Approved for use through 04/30/2003. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/656,732
		Filing Date	September 4, 2003
		First Named Inventor	Manning
		Art Unit	2811
		Examiner Name	J. Fenty
Total Number of Pages in This Submission		Attorney Docket Number	
		MI22-2608	

### ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): Form PTO-1449; Return Receipt Postcard; Cited References(10)
<input type="checkbox"/> Remarks Additional Enclosure: A \$180.00 Check <b>EV550717217</b>		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	David G. Latwesen Ph.D., Reg. No: 38,533 Wells St. John, P.S.
Signature	
Date	5/24/05

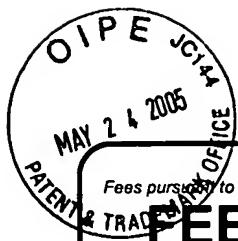
### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: **5-24-05**

Typed or printed	Jim Tidrick
Signature	
Date <b>5-24-05</b>	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEES TRANSMITTAL For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 180.00)

Complete if Known	
Application Number	10/656,732
Filing Date	9/4/2003
First Named Inventor	Manning
Examiner Name	J. Fenty
Art Unit	2811
Attorney Docket No.	M122-2608

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 23-0925 Deposit Account Name: Wells St. John, P.S.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  Credit any overpayments

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## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

### 2. EXCESS CLAIM FEES

#### Fee Description

Each claim over 20 (including Reissues)

EV550717217

Fee (\$)	Small Entity
50	25
200	100
360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
- 20 or HP =	x	=		Fee (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
- 3 or HP =	x	=		Fee (\$)

HP = highest number of independent claims paid for, if greater than 3.

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Supplemental Information Disclosure Statement

\$180.00

## SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 38,533	Telephone 509-624-4276
Name (Print/Type)	David G. Latwesen, Ph.D.		Date 5/24/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... 10/656,732  
Confirmation No. .... 4772  
Filing Date .... September 4, 2003  
Inventor.... H. Montgomery Manning  
Assignee.... Micron Technology, Inc.  
Group Art Unit..... 2811  
Examiner ..... J. Fenty  
Attorney's Docket No. .... MI22-2608  
Customer No. .... 021567  
Title: Support For Vertically Oriented Capacitors During the Formation of a Semiconductor Device

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449

In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the United States patents and other references listed on the attached Form PTO-1449. No admission is made regarding whether all the submitted references are prior art.

EV550717217

Dated:

5/24/05

By:

Respectfully submitted,  
  
\_\_\_\_\_  
David G. Latwesen, Ph.D.  
Reg. No. 38,533

05/26/2005 EFLORES 00000034 10656732

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Form PTO-1449	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MI22-2608	SERIAL NO. 10/656,732
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: H. Montgomery Manning		
		FILING DATE September 4, 2003	GROUP 2811	
MAY 24 2005 PATENT & TRADEMARK OFFICE O I P E S C I A T				

U. S. PATENT DOCUMENTS							
*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
	AD	DE 4447804	1/2002	Germany	5507172	17	Yes No
	AE						Abstract

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AF		J. P. O'Sullivan et al., <i>The morphology and mechanism of formation of porous anodic films on aluminium</i> , PROC. ROY. SOC. LOND. A, Vol. 317, pp. 511-543 (1970)				
	AG		S. Shingubara, <i>Fabrication of nanomaterials using porous alumina templates</i> , J. NANOPARTICLE RES., Vol. 5, pp. 17-30 (2003).				
	AH		S. Tan et al., <i>High Aspect Ratio Microstructures on Porous Anodic Aluminum Oxide</i> , IEEE, pp. 267-272 (1995).				
	AI		J. Liang et al., <i>Nonlithographic Fabrication of Lateral Superlattices for Nanometric Electromagnetic-Optic ...</i>				
			IEEE J. SELECTED TOPICS IN QUANTUM ELECTR., Vol. 8, No. 5, pp. 998-1008 (Sept/Oct 2002).				
	AJ		V. V. Konovalov et al., <i>Chemistry of Materials</i> , CHEM. MATER., Vol. 11, No. 8, pp. 1949-1951 (August 1999).				
	AK		H. Masuda et al., <i>Highly ordered nanochannel-array architecture in anodic alumina</i> , App. Phys. Lett., Vol. 71, No. 19, pp. 2770-2772 (November 1997).				
EXAMINER		DATE CONSIDERED					

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: H. Montgomery Manning	
		FILING DATE September 4, 2003	GROUP 2811

U.S. PATENT DOCUMENTS							
*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD			EV550717217			
	AE						
	AF						
	AI						

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes
	AJ						No
	AK						
	AL						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AM		D. Crouse et al., <i>Self-Assembled Nanostructures Using Anodized Alumina Thin Films for Optoelectronic Applications</i> , IEEE, pp. 234-235 (1999).				
	AN		A. Nadeem et al., <i>Fabrication of Microstructures Using Aluminum Anodization Techniques</i> , pp. 274-277 (pre-2004).				
	AO		C. Y. Liu et al., <i>Ordered anodic alumina nanochannels on focused-ion-beam-prepatterned aluminum surfaces</i> , Appl. Phys. Lett., Vol. 78, No. 1, pp. 120-122 (January 2001).				
EXAMINER		DATE CONSIDERED					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							